

Dirt Work * On-Site Remediation * Soil Testing * Excavation

LINN ENERGY

CLOSURE SUMMARY

Cap rock Maljamar Unit#266

LEA COUNTY, NEW MEXICO

SEC .24 T17S R32E

N.32.82239

/

W.-103.72689

LEA COUNTY

START DATE: 12-14-12

FINISH DATE: 6-17-13

PREPARED BY: Oscar Frayre

ENVIORNMENTAL TECHNICIAN

HUNGRY HORSE ENVIORNMENTAL, LLC

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1.0 Introduction

This report addresses the remediation of an accidental discharge of a flow line at the CMU #266 belonging to Linn Energy. Analytical results, an overhead map, and a sketch are included on this document as attachments. The project manager for Hungry Horse Environmental LLC Services was Oscar Frayre.

2.0 Area Description

The top four feet is primarily fine sand. The depth to ground water is presumed to be at 275' based on the Lea County depth to ground water map. There are no known water wells or surface bodies of water within a half of a mile of this location. This location is in Lea County, New Mexico 0.5 miles south of W-2 and Mescalero road.

3.0 Remediation Process

The remediation process began by sampling the contaminated area in one foot increments. We continued to the soil by taking random soil samples and field testing for Chlorides. The excavated area is an area of 75'x50'x4' below ground surface. Soil samples were obtained and analyzed for Chlorides, TPH 8015m, and BTEX. Lab analysis was presented to NM OCD (Oil Conservation Division) Geoffry Leking. The Chloride levels were not within closure limits. A soil bore was drilled and field tested for chlorides every five feet, at 30' BGS the chlorides decreased to 128 parts per million. The soil sample was obtained and analyzed for Chlorides, TPH (8015m), and BTEX. Lab results were presented to NM OCD Geoffry Leking and approval was given to backfill the affected area with clean material. All contaminated soil was transported to a division approved disposal facility, and the area disturbed was seeded using an approved seed mixture.

